

CLAIMS

- 1 1. A satellite radio receiver comprising:
2 a satellite radio processor that receives a plurality of digital satellite radio signals
3 on a plurality of channels, each digital satellite radio signal including a radio program and
4 identifying information related to the radio program, the satellite radio processor
5 outputting audio information corresponding to the radio program in one of the digital
6 satellite radio signals that correspond to a selected channel; and
7 a display within the satellite radio receiver that is coupled to the satellite radio
8 processor and that displays information regarding at least one channel that is not the
9 selected channel, wherein the displayed information is derived from the identifying
10 information for the at least one channel that is not the selected channel.
- 1 2. The satellite radio receiver of claim 1 further comprising a memory coupled to the
2 satellite radio processor, the memory containing at least one channel preset.
- 1 3. The satellite radio receiver of claim 2 wherein the memory further contains a list
2 of favorite channels, wherein the at least one channel that is not the selected channel is in
3 the list of favorite channels.
- 1 4. The satellite radio receiver of claim 3 wherein the list of favorite channels is at
2 least partially defined by the at least one channel preset.
- 1 5. The satellite radio receiver of claim 3 wherein the list of favorite channels is
2 determined by the satellite radio processor according to which channels are listened to
3 most frequently.

1 6. The satellite radio receiver of claim 1 wherein the display further displays
2 information regarding the selected channel, wherein the displayed information regarding
3 the selected channel is derived from the identifying information for the selected channel.

1 7. The satellite radio receiver of claim 1 wherein the displayed information includes
2 a title for the radio program.

1 8. The satellite radio receiver of claim 1 wherein the displayed information includes
2 time remaining for the radio program.

1 9. The satellite radio receiver of claim 1 wherein the displayed information includes
2 artist and song title for the radio program when the radio program comprises a musical
3 radio program.

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1 10. A satellite radio receiver comprising:

2 (1) a satellite radio processor that receives a plurality of digital satellite radio

3 signals on a plurality of channels, each digital satellite radio signal including a radio

4 program and identifying information related to the radio program, the satellite radio

5 processor outputting audio information corresponding to the radio program in one of the

6 digital satellite radio signals that correspond to a selected channel;

7 (2) a display within the satellite radio receiver coupled to the satellite radio

8 processor that displays:

9 (2A) information regarding the selected channel, wherein the information

10 regarding the selected channel is derived from the identifying information for the

11 selected channel and includes a title for the radio program corresponding to the

12 selected channel and the time remaining for the radio program corresponding to

13 the selected channel; and

14 (2B) information regarding at least one channel that is not the selected

15 channel, wherein the information is derived from the identifying information for

16 the at least one channel that is not the selected channel and includes a title for the

17 radio program corresponding to the at least one channel that is not the selected channel

18 and the time remaining for the radio program corresponding to the at least one

19 channel that is not the selected channel;

20 (3) a memory coupled to the satellite radio processor, the memory containing:

21 (3A) at least one channel preset; and

22 (3B) a list of favorite channels, wherein the at least one channel that is not

23 the selected channel is in the list of favorite channels.

1 11. The satellite radio receiver of claim 10 wherein the displayed information includes

2 artist and song title for the radio program when the radio program comprises a musical

3 radio program.

1 ~~12.~~ A method for displaying radio program information to a user on a display within a
2 satellite radio receiver, the method comprising the steps of:

3 receiving a plurality of digital satellite radio signals on a plurality of channels,
4 each digital satellite radio signal including a radio program and identifying information
5 related to the radio program;

6 outputting audio information corresponding to the radio program in one of the
7 digital satellite radio signals that correspond to a selected channel; and

8 displaying information regarding at least one channel that is not the selected
9 channel on the display, wherein the displayed information is derived from the identifying
10 information for the at least one channel that is not the selected channel.

1 13. The method of claim 12 further comprising the step of storing a list of favorite
2 channels, wherein the at least one channel that is not the selected channel is in the list of
3 favorite channels.

1 14. The method of claim 13 wherein the list of favorite channels is at least partially
2 defined by at least one channel preset.

1 15. The method of claim 13 further comprising the step of determining the list of
2 favorite channels according to which channels are listened to most frequently.

1 16. The method of claim 12 further comprising the step of displaying information
2 regarding the selected channel, wherein the displayed information regarding the selected
3 channel is derived from the identifying information for the selected channel.

1 17. The method of claim 12 wherein the displayed information includes a title for the
2 radio program.

1 18. The method of claim 12 wherein the displayed information includes time
2 remaining for the radio program.

1 19. The method of claim 12 wherein the displayed information includes artist and
2 song title for the radio program when the radio program comprises a musical radio
3 program.

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- 1 20. A method for displaying radio program information to a user on a display within a
2 satellite radio receiver, the method comprising the steps of:
3 receiving a plurality of digital satellite radio signals on a plurality of channels,
4 each digital satellite radio signal including a radio program and identifying information
5 related to the radio program;
6 outputting audio information corresponding to the radio program in one of the
7 digital satellite radio signals that correspond to a selected channel;
8 displaying information regarding the selected channel on the display, wherein the
9 displayed information regarding the selected channel is derived from the identifying
10 information for the selected channel and includes a title for the radio program
11 corresponding to the selected channel and the time remaining for the radio program
12 corresponding to the selected channel;
13 displaying information regarding at least one channel that is not the selected
14 channel on the display, wherein the displayed information is derived from the identifying
15 information for the at least one channel that is not the selected channel and includes a title
16 for the radio program corresponding to the at least one channel that is not the selected
17 channel and the time remaining for the radio program corresponding to the at least one
18 channel that is not the selected channel; and
19 storing a list of favorite channels, wherein the at least one channel that is not the
20 selected channel is in the list of favorite channels.
- 1 21. The method of claim 20 wherein the list of favorite channels is at least partially
2 defined by at least one channel preset.

- 1 22. The method of claim 20 further comprising the step of determining the list of
2 favorite channels according to which channels are listened to most frequently.

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